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Figure 3. Trench Jacks (Screw Jacks)

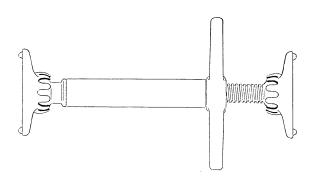


Figure 4. Trench Shields

APPENDIX F TO SUBPART P OF PART 1926—SELECTION OF PROTECTIVE SYSTEMS

The following figures are a graphic summary of the requirements contained in sub-

part P for excavations 20 feet or less in depth. Protective systems for use in excavations more than 20 feet in depth must be designed by a registered professional engineer in accordance with §1926.652 (b) and (c).

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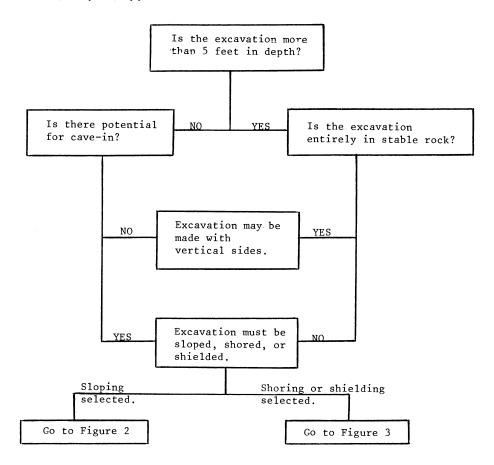
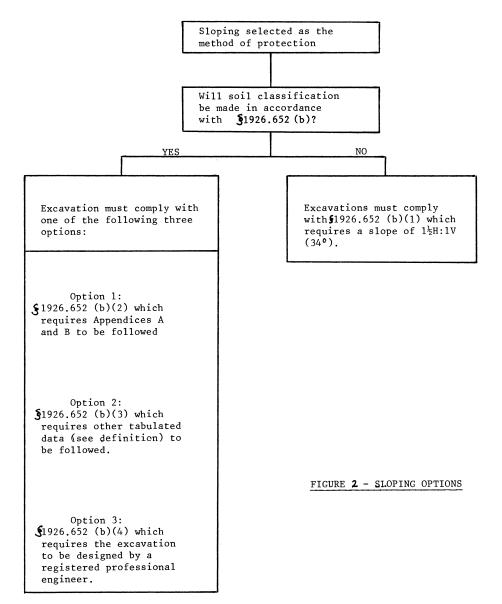


FIGURE 1 - PRELIMINARY DECISIONS

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Shoring or shielding selected as the method of protection.

Soil classification is required when shoring or shielding is used. The excavation must comply with one of the following four options:

Option 1 §1926.652 (c)(1) which requires Appendices A and C to be followed (e.g. timber shoring).

Option 2 §1926.652 (c)(2) which requires manufacturers data to be followed (e.g. hydraulic shoring, trench jacks, air shores, shields).

Option 3 §1926.652 (c)(3) which requires tabulated data (see definition) to be followed (e.g. any system as per the tabulated data).

Option 4

§1926.652 (c)(4) which requires
the excavation to be designed
by a registered professional
engineer (e.g. any designed
system).

FIGURE 3 - SHORING AND SHIELDING OPTIONS